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☐ 1. Document ID: US 3901819 A

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File: USPT

Aug 26, 1975

US-PAT-NO: 3901819

DOCUMENT-IDENTIFIER: US 3901819 A

TITLE: Compositions for activating an inorganic peroxide bleaching agent

DATE-ISSUED: August 26, 1975

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Nakagawa; Yunosuke | Koshigaya | | | JA |
| Sato; Koitsu | Funabashi | | | JA |
| Hakozaki; Shori | Funabashi | | | JA |

ASSIGNEE-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|--------------------|-------|-------|----------|---------|-----------|
| Kao Soap Co., Ltd. | Tokyo | | | JA | 03 |

APPL-NO: 05/ 395264 [PALM]

DATE FILED: September 7, 1973

FOREIGN-APPL-PRIORITY-DATA:

| COUNTRY | APPL-NO | APPL-DATE |
|---------|----------|--------------------|
| JA | 47-92265 | September 14, 1972 |

INT-CL: [02] C11D 7/54, C11D 7/18

US-CL-ISSUED: 252/186; 8/111, 252/99, 260/610A, 260/610R

US-CL-CURRENT: 252/186.4; 252/186.38, 252/186.41, 510/312, 510/376, 510/378, 510/441, 510/470, 510/505, 510/506, 8/111

FIELD-OF-SEARCH: 252/186, 252/99, 8/111, 260/61A, 260/61R

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

| PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|----------------|---------------|--------------------|---------|
| <u>3163606</u> | December 1964 | Vireen et al. | 252/186 |
| <u>3211658</u> | October 1965 | Hirtz et al. | 252/117 |
| <u>3338839</u> | August 1967 | MacKellar et al. | 252/186 |
| <u>3650962</u> | March 1972 | Werdehausen et al. | 252/186 |
| <u>3661789</u> | May 1972 | Corey et al. | 252/186 |
| <u>3840466</u> | August 1974 | Gray | 252/186 |

ART-UNIT: 223

PRIMARY-EXAMINER: Padgett; Benjamin R.

ASSISTANT-EXAMINER: Gluck; Irwin

ATTY-AGENT-FIRM: Woodhams, Blanchard and Flynn

ABSTRACT:

A composition for activating an inorganic peroxide bleaching agent comprising (A) an acetic acid ester of a monosaccharide, a disaccharide, a sugar alcohol, an internal anhydride of a sugar alcohol, or erythritol, said ester having at least 2 ester groups on the adjacent carbon atoms, and (B) an acetic acid ester of a polyhydric alcohol having a melting point not higher than about 30.degree.C., the weight ratio of the components being within the range of from 1/9 to 9/1.

7 Claims, 0 Drawing figures

| Full | Title |
|-------|-------------|
| CLS.1 | SEQ.1 ATT.1 |

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